

A<sup>1</sup>

4. The composition according to claim 1, wherein the polyols (c) are: pentaerythritol, trimethylolpropane, dipentaerythritol, ditrimethylolpropane, tris(hydroxyethyl) isocyanurate.

A<sup>2</sup>

6. The composition according to claim 1, obtained starting from diallyl carbonate (A) and from the mixture (B+C) operating under transesterification conditions, at a temperature ranging from 80°C to 160°, in the presence of a catalyst of the alkaline type, and continuously eliminating the allyl alcohol which is formed as reaction by-product.

A<sup>3</sup>

9. The composition according to claim 6, wherein the catalyst is used in a quantity equal to at least 1 ppm (parts per million by weight) with respect to the sum of the weights of components (B+C).

A<sup>4</sup>

11. The composition according to claim 6, wherein the transesterification reaction is carried out at pressure values ranging from 60 mbar to 1030 mbar.

A<sup>5</sup>

13. The composition according to claim 6, wherein the reaction times range from 0.5 hours to 20 hours.

S<sub>3</sub><sup>2</sup> A<sup>6</sup>

15. The composition according to claim 1, wherein one or more conventional additives are present, such as oxidization, light and heat stabilizers, lubricants, dyes, pigments, UV-absorbers, IR-absorbers, and the like, in a total quantity however not exceeding 1 part by weight for every 100 parts by weight of the compositions themselves.

16. The composition according to claim 1, wherein one or more polymerization initiators are present, which are soluble in the composition itself and are capable of generating free radicals within a temperature range of 30°C to 120°C.

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21. The composition according to claim 16, wherein the quantity of initiator used varies within a range of 1 to 6 parts by weight for every 100 parts by weight of said composition.

22. The composition according to claim 16, which is transformed into the relative organic glasses operating at a temperature ranging from 30°C to 120°C, with polymerization times which generally range from 1 hour to 100 hours.

23. Organic glasses obtained from the polymerization of the composition according to claim 1.

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